

SAFETY DATA SHEET TETRASCHUTZ

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name TETRASCHUTZ
Product No. LS193

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Underbody coat.

1.3. Details of the supplier

Grease Monkey Direct

Teemore Business Complex,
191 Belturbet Road,
Derrylin,
BT92 9BG,
United Kingdom

1.4. Emergency telephone number

0113 253 8888

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-------------------------------|---|
| Physical and Chemical Hazards | Flam. Liq. 2 - H225 |
| Human health | EUH066;Skin Irrit. 2 - H315;Eye Irrit. 2 - H319;STOT SE 3 - H336;STOT RE 1 - H372 |
| Environment | Aquatic Chronic 2 - H411 |

Classification (1999/45/EEC) Xn;R20/21. Xi;R38. F;R11. N;R51/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Environment

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

2.2. Label elements

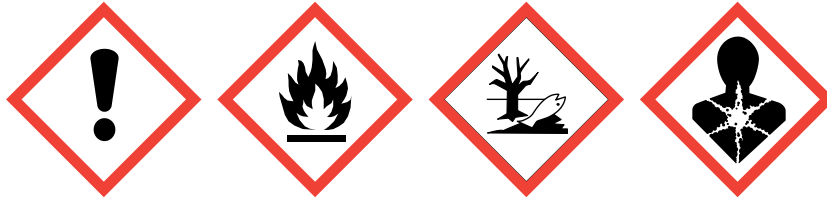
Contains HYDROCARBONS, C9-12, N-ALKANES, ISOALKANES, CYCLICS, (2-25%)
AROMATICS

Detergent Labelling:

| | |
|--------|------------------------|
| >= 30% | Aliphatic hydrocarbons |
| < 5% | Aromatic hydrocarbons. |

Label In Accordance With (EC) No. 1272/2008

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| | | |
|--------------------------|--|--|
| Signal Word | Danger | |
| Hazard Statements | H225 | Highly flammable liquid and vapour. |
| | H315 | Causes skin irritation. |
| | H319 | Causes serious eye irritation. |
| | H336 | May cause drowsiness or dizziness. |
| | H372 | Causes damage to organs Central nervous system through prolonged or repeated exposure. |
| | H411 | Toxic to aquatic life with long lasting effects. |
| Precautionary Statements | P101 | If medical advice is needed, have product container or label at hand. |
| | P102 | Keep out of reach of children. |
| | P210 | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. |
| | P233 | Keep container tightly closed. |
| | P270 | Do not eat, drink or smoke when using this product. |
| | P271 | Use only outdoors or in a well-ventilated area. |
| | P273 | Avoid release to the environment. |
| | P260 | Do not breathe vapour/spray. |
| | P280 | Wear protective gloves, eye and face protection. |
| | P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| | P391 | Collect spillage. |
| | P337+313 | If eye irritation persists: Get medical advice/attention. |
| | P403+235 | Store in a well-ventilated place. Keep cool. |
| | P405 | Store locked up. |
| | P501 | Dispose of contents/container in accordance with local regulations. |
| | Supplementary Precautionary Statements | P240 |
| P241 | | Use explosion-proof electrical equipment. |
| P242 | | Use only non-sparking tools. |
| P243 | | Take precautionary measures against static discharge. |
| P261 | | Avoid breathing vapour/spray. |
| P264 | | Wash contaminated skin thoroughly after handling. |
| P321 | | Specific treatment (see medical advice on this label). |
| P370+378 | | In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. |
| P302+352 | | IF ON SKIN: Wash with plenty of soap and water. |
| P303+361+353 | | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+340 | | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P314 | | Get medical advice/attention if you feel unwell. |

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|--------------------------------|--|
| P332+313 | If skin irritation occurs: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P403+233 | Store in a well-ventilated place. Keep container tightly closed. |
| Supplemental label information | |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

| | | |
|--|-----------------------------|--|
| HYDROCARBONS, C9-12, N-ALKANES, ISOALKANES, CYCLICS, (2-25%) AROMATICS | | 10.0 - <20.0% |
| CAS-No.: | EC No.: 919-446-0 | Registration Number: 01-2119458049-33-XXXX |
| Classification (EC 1272/2008) | Classification (67/548/EEC) | |
| Flam. Liq. 3 - H226 | Xn;R65. | |
| EUH066 | N;R51/53. | |
| STOT SE 3 - H336 | R10,R66,R67. | |
| STOT RE 1 - H372 | | |
| Asp. Tox. 1 - H304 | | |
| Aquatic Chronic 2 - H411 | | |
| ISO-BUTANOL | | 1.0 - <3.0% |
| CAS-No.: 78-83-1 | EC No.: 201-148-0 | Registration Number: 01-2119484609-23-XXXX |
| Classification (EC 1272/2008) | Classification (67/548/EEC) | |
| Flam. Liq. 3 - H226 | R10 | |
| Skin Irrit. 2 - H315 | Xi;R37/38,R41 | |
| Eye Dam. 1 - H318 | R67 | |
| STOT SE 3 - H335 | | |
| STOT SE 3 - H336 | | |
| METHANOL | | 1.0 - <3.0% |
| CAS-No.: 67-56-1 | EC No.: 200-659-6 | Registration Number: 01-2119433307-44 |
| Classification (EC 1272/2008) | Classification (67/548/EEC) | |
| Flam. Liq. 2 - H225 | F;R11 | |
| Acute Tox. 3 - H301 | T;R23/24/25,R39/23/24/25 | |
| Acute Tox. 3 - H311 | | |
| Acute Tox. 2 - H330 | | |
| STOT SE 1 - H370 | | |

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| | | |
|---|-------------------|--|
| NAPHTHA (PETROLEUM), HYDROTREATED LIGHT | | 10.0 - <20.0% |
| CAS-No.: | EC No.: 927-510-4 | Registration Number: 01-2119475515-33-XXXX |
| Classification (EC 1272/2008) | | Classification (67/548/EEC) |
| Flam. Liq. 2 - H225 | | Xn;R65. |
| Skin Irrit. 2 - H315 | | Xi;R38. |
| STOT SE 3 - H336 | | F;R11. |
| Asp. Tox. 1 - H304 | | N;R51/53. |
| Aquatic Chronic 2 - H411 | | R67. |
| SILICATE FIBRES | | 1.0 - <3.0% |
| CAS-No.: 287922-11-6 | EC No.: | |
| Classification (EC 1272/2008) | | Classification (67/548/EEC) |
| Skin Irrit. 2 - H315 | | Xi;R38. |
| XYLENE | | 3.0 - <5.0% |
| CAS-No.: 1330-20-7 | EC No.: 215-535-7 | |
| Classification (EC 1272/2008) | | Classification (67/548/EEC) |
| Flam. Liq. 3 - H226 | | R10 |
| Acute Tox. 4 - H312 | | Xn;R20/21 |
| Acute Tox. 4 - H332 | | Xi;R38 |
| Skin Irrit. 2 - H315 | | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove affected person from source of contamination. NOTE! Effects may be delayed. Keep affected person under observation. Get medical attention. CAUTION! First aid personnel must be aware of own risk during rescue! Move the exposed person to fresh air at once. NOTE! Keep affected person away from heat, sparks and flames! Perform artificial respiration if breathing has stopped. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Inhalation

Remove victim immediately from source of exposure. Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions. Place unconscious person on the side in the recovery position and ensure breathing can take place. Perform artificial respiration if breathing has stopped.

Ingestion

Get medical attention immediately! Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions. Do not give victim anything to drink if he is unconscious. NOTE! Keep affected person away from heat, sparks and flames! When risk of unconsciousness, place and transport the victim in secured side position.

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Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Rinse with water. Use suitable lotion to moisturise skin. Get medical attention promptly if symptoms occur after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. Vapours may cause headache, fatigue, dizziness and nausea. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. May cause chemical burns in mouth and throat. Central nervous system depression. Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritation, burning, lachrymation, blurred vision after liquid splash.

4.3. Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. In if doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Foam, carbon dioxide or dry powder. Water. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

HIGHLY FLAMMABLE! Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

Specific hazards

Vapours may form explosive air mixtures even at room temperature. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Be aware of risk of fire re-starting, and risk of explosion. Cool containers exposed to flames with water until well after the fire is out. Use water SPRAY only to cool containers! Do not put water on leaked material.

Protective equipment for fire-fighters

Leave danger zone immediately.

TETRASCHUTZ**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Prevent entry into drains. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

For waste disposal, see section 13. Stop leak if possible without risk. Collect with absorbent, non-combustible material into suitable containers. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Cover large spillages with alcohol-resistant foam.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Risk of vapour concentration on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Observe good chemical hygiene practices. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Mechanical ventilation or local exhaust ventilation may be required.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep upright. Keep in original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures. Store separated from: Oxidising material.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|--|-----|-------------|-----------------------|---------------|-----------------------|-------|
| HYDROCARBONS, C9-12, N-ALKANES, ISOALKANES, CYCLICS, (2-25%) AROMATICS | WEL | | 600 mg/m ³ | | | |
| ISO-BUTANOL | WEL | 50 ppm | 154 mg/m ³ | 75 ppm | 231 mg/m ³ | |
| METHANOL | WEL | 200 ppm | 266 mg/m ³ | 250 ppm | 333 mg/m ³ | Sk |
| XYLENE | WEL | 50 ppm | 220 mg/m ³ | 100 ppm | 441 mg/m ³ | Sk |

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WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide explosion proof ventilation for high concentrations. Observe occupational exposure limits and minimize the risk of inhalation of vapours. All handling to take place in well-ventilated area.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Check that mask fits tight and change filter regularly. Use respiratory equipment with gas filter, type AX.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

Isolate contaminated clothing and wash before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

| | |
|--|--------------------|
| Appearance | Liquid |
| Colour | Black. |
| Odour | Hydrocarbon. |
| Solubility | Insoluble in water |
| Initial boiling point and boiling range (°C) | >60°C |
| Melting point (°C) | Not determined. |
| Relative density | 1.04 20°C |
| Vapour density (air=1) | Not determined. |
| Vapour pressure | Not determined. |
| Evaporation rate | Not determined. |
| Viscosity | 3500 - 4000 cP 20 |

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Decomposition temperature (°C)

Not determined.

Odour Threshold, Lower

Not determined.

Odour Threshold, Upper

Not determined.

Flash point (°C) 0°C

Auto Ignition Temperature (°C)

Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined.

Partition Coefficient

(N-Octanol/Water)

Not determined.

Oxidising properties

Not available.

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

The product may form explosive vapours/air mixtures even at normal room temperatures.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not relevant

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50

>5840 mg/kg (oral rat)

Toxic Conc. - LC 50

>23300 mg/l/4h (inh-rat)

Acute toxicity:

Naphtha (Petroleum), Hydrotreated Light

TETRASCHUTZ**General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

Inhalation

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Ingestion

May cause internal injury. May cause nausea, headache, dizziness and intoxication. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

Prolonged contact may cause dryness of the skin. Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating and may cause redness and pain. Spray and vapour in the eyes may cause irritation and smarting.

Health Warnings

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

Medical Symptoms

Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

Medical Considerations

Risk of chemical pneumonia after aspiration.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

LC 50, 96 Hrs, Fish mg/l >13.4 mg/l (Onchorhynchus mykiss)

Naptha (Petroleum), Hydrotreated Light

EC 50, 48 Hrs, Daphnia, mg/l 3 mg/l (Daphnia magna)

IC 50, 72 Hrs, Algae, mg/l 10 mg/l (Raphidocelis)

12.2. Persistence and degradability**Degradability**

There are no data on the degradability of this product.

12.3. Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

Partition coefficient

Not determined.

12.4. Mobility in soil

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Adsorption/Desorption Coefficient
Not available.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Do not puncture or incinerate even when empty.

13.1. Waste treatment methods

Confirm disposal procedures with environmental engineer and local regulations. Make sure containers are empty before discarding (explosion risk). Empty containers must not be burned because of explosion hazard. Recover and reclaim or recycle, if practical.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

| | |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1993 |
| UN No. (IMDG) | 1993 |
| UN No. (ICAO) | 1993 |

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (XYLENE, HEPTANE)

14.3. Transport hazard class(es)

| | |
|---------------------|-----------------------------|
| ADR/RID/ADN Class | 3 |
| ADR/RID/ADN Class | Class 3: Flammable liquids. |
| ADR Label No. | 3 |
| IMDG Class | 3 |
| ICAO Class/Division | 3 |
| Transport Labels | |

**14.4. Packing group**

| | |
|---------------------------|----|
| ADR/RID/ADN Packing group | II |
| IMDG Packing group | II |
| ICAO Packing group | II |

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

TETRASCHUTZ**14.6. Special precautions for user**

| | |
|-----------------------|----------|
| EMS | F-E, S-E |
| Emergency Action Code | 3YE |
| Hazard No. (ADR) | 33 |

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

| | |
|--------------------------|----------------|
| Revision Date | 10/03/2015 |
| Revision | 23 |
| Supersedes date | 09/10/2013 v22 |
| Safety Data Sheet Status | Approved. |

Risk Phrases In Full

| | |
|--------------|---|
| R10 | Flammable |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R11 | Highly flammable |
| R37/38 | Irritating to respiratory system and skin. |
| R38 | Irritating to skin. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R41 | Risk of serious damage to eyes. |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R39/23/24/25 | Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. |
| R67 | Vapours may cause drowsiness and dizziness. |

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Hazard Statements In Full

| | |
|--------|--|
| H372 | Causes damage to organs <<Organs>> through prolonged or repeated exposure. |
| H370 | Causes damage to organs <<Organs>>. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H330 | Fatal if inhaled. |
| H226 | Flammable liquid and vapour. |
| H332 | Harmful if inhaled. |
| H312 | Harmful in contact with skin. |
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness. |
| H335 | May cause respiratory irritation. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H411 | Toxic to aquatic life with long lasting effects. |